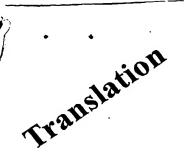
Rec'd PCT/PTO\_17 DEC 2004



## PATENT COOPERATION TREAT

## **PCT**



## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

| Applicant's or agent's file reference<br>PH-1816-PCT  | FOR FURTHER ACTION   |                     |  |  |  |
|---|--|---------------------|--|--|--|
| nternational application No.  | International filing date (c                                 | lay/month/year)     | Priority date (day/month/year)           |  |  |
| PCT/JP2003/007549 13 June 2003 (  |  | 3.06.2003)          | 20 June 2002 (20.06.2002)                |  |  |
| nternational Patent Classification (IPC) o<br>G02F 1/133, H05B 33/14, 33  | or national classification and in /26, G09F 9/40, 9/30, G09C | 3 3/36, 3/20        |  |  |  |
| Applicant   | SHARP KABUSH   | IKI KAISHA          |  |  |  |
| This international preliminary examples and is transmitted to the application.  | xamination report has been pre nt according to Article 36.   | pared by this Inter | national Preliminary Examining Authority |  |  |
| 2. This REPORT consists of a total of4 sheets, including this cover sheet.  |  |                     |  |  |  |
| This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT). |  |                     |  |  |  |
| These annexes consist of a total of sheets.   |  |                     |  |  |  |
| 3. This report contains indications relating to the following items:  |  |                     |  |  |  |
| Basis of the report   |  |                     |  |  |  |
| II Priority   |  |                     |  |  |  |
| Non-establishment of opinion with regard to novelty, inventive step and industrial applicability  |  |                     | step and industrial applicability        |  |  |
| Lack of unity   | of invention   |                     |  |  |  |
| V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement   |  |                     |  |  |  |
| VI Certain documents cited  |  |                     |  |  |  |
| VII Certain defects in the international application  |  |                     |  |  |  |
| VIII Certain observations on the international application  |  |                     |  |  |  |
|   |  |                     |  |  |  |
| Date of submission of the demand  |  | Date of completi    |  |  |  |
| 21 August 2003 (21.08.2003)   |  | 01                  | December 2003 (01.12.2003)               |  |  |
| Name and mailing address of the IPI   | EA/JP  | Authorized offic    | er                                       |  |  |
| Facsimile No.   |  | Telephone No.       |  |  |  |

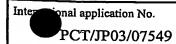
## INTERNATIONAL PRELIMARY EXAMINATION REPORT

| 1 |                          |
|---|--------------------------|
|   | Internal application No. |
|   | PCT/JP2003/007549        |

ε,

| I. Basis           | s of the re  | report  |  |
|--------------------|--|---|--|
|                    |  | to the elements of the international application:*  |  |
|                    |  | ternational application as originally filed   |  |
| X                  |  | escription:   |  |
| لاعا               | me desc<br>pages   |   |  |
|                    | pages .  | 1-25  | , as originally filed  |
|                    | pages .  |   | , filed with the demand  |
| $\nabla$           | •  | , med with the letter of  | ·  |
| لكا<br>ا           | the clair  | ims:  |  |
|                    | pages  |   | , as originally filed  |
| •                  | pages  | , as amended (toget   |  |
|                    | pages _  |   | , filed with the demand  |
|                    | pages _  | 1-4, 7-10, 13-18 , filed with the letter of   | 13 November 2003 (13.11.2003)  |
| $\boxtimes$        | the draw   |   |  |
|                    | pages  | 1/7, 7/7  | , as originally filed  |
|                    | pages _  | 27,77   | filed with the demand  |
|                    | pages _  | , filed with the letter of  | 9 ALLOW TYTES SHE GOVERNMENT   |
| □ t                | the sequer   | ence listing part of the description:   |  |
| ٠                  | pages  | -   |  |
|                    | pages _  |   | , as originally filed  |
|                    | pages _  |   | , filed with the demand  |
| 21.4               | -  | , filed with the letter of to the language, all the elements marked above were available or furnished to nal application was filed unless otherwise indicated under the interest of the language.   |  |
| 3. With            | the lange<br>the lange<br>or 55.3).<br>Tregard to<br>minary exa<br>contained<br>filed toge<br>furnished<br>furnished<br>The stat | aguage of a translation furnished for the purposes of international search (under aguage of publication of the international application (under Rule 48.3(b)).  Aguage of the translation furnished for the purposes of international preliminals).  to any nucleotide and/or amino acid sequence disclosed in the international was carried out on the basis of the sequence listing:  and in the international application in written form.  Age there with the international application in computer readable form.  And subsequently to this Authority in written form.  And subsequently to this Authority in computer readable form.  Against that the subsequently furnished written sequence listing does a | ary examination (under Rule 55.2 and/<br>mational application, the international |
|                    |  | atement that the information recorded in computer readable form is identic  |  |
| 4. 🔯<br> <br> <br> | th.  | the claims, Nos 5, 6, 11, 12 the drawings, sheets/fig   |  |
|                    | This report the  | ort has been established as if (some of) the amendments had not been made, the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**  |  |
| and 70.            | 0. <i>17</i> ).  | theets which have been furnished to the receiving Office in response to an invit<br>as "originally filed" and are not annexed to this report since they do r  | not contain amendments (Rule 70.16   |
| * Any rep          | placemen   | int sheet containing such amendments must be referred to under item $l$ and ann   | nexed to this report.  |





| V. Reasoned statement under Artic<br>citations and explanations supp |        | ard to novelty, inventive step or industrial applicability;<br>ment |     |
|--|--------|---|-----|
| 1. Statement   |        |   |     |
| Novelty (N)  | Claims | 1-4, 7-10, 13-18  | YES |
|  | Claims |   | NO  |
| Inventive step (IS)  | Claims | 2, 7-10, 13, 14   | YES |
|  | Claims | 1, 3-4, 15-18   | NO  |
| Industrial applicability (IA)  | Claims | 1-4, 7-10, 13-18  | YES |
|  | Claims |   | NO  |

2. Citations and explanations

Document 1: JP 7-244267 A (Nippon Telegraph And Telephone Corp.), September 19, 1995

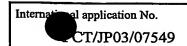
Document 2: JP 8-152619 A (Sharp Corp.), June 11, 1996 Document 3: JP 7-218899 A (Fujitsu Ltd.), August 18, 1995

The inventions relating to claims 1, 3-4 and 15-18 do not appear to involve an inventive step over documents 1, 2 and 3. It is obvious for a person skilled in the art to use display control means described in detail in document 2 (Fig. 20) and document 3 (Fig. 2) as a method for changing a scan direction described in document 1 (par. [0017]).

It is obvious that a normal image on the other side of a display panel is a mirror image on the one side. It is obvious that the time for a shutter to remain closed so that a display appears continuous must be one frame or a unit scanning period having one frame as a unit. Therefore, the inventions relating to claims 1, 3-4 and 15-18 do not appear to involve an inventive step based on documents 1, 2 and 3.

None of the documents cited in the ISR describes the inventions relating to claims 2, 7-10, 13 and 14, nor are these obvious to a person skilled in the art.





VII. Certain defects in the international application

| The following defects in the form or contents of the international | l application have been noted: |
|--|--------------------------------|
|--|--------------------------------|

1. "Claim 11" which is cited in amended claim 14 has been deleted and so this is clearly an error for "claim 10."

2. There is no corresponding recitation of "said mirror image" in amended claim 4.